

Amendments to Claims:

This listing of claims will replace all prior versions and listings of the claims in the application:

Listing of Claims:

1. (canceled)

2. (previously presented) A reel clutch of a tape recorder which is installed in a reel disc assembly mounted on a deck of a tape recorder and having a reel gear and a reel disc, for generating a torque to adjust the tension of a magnetic tape, thereby controlling the running speed of the magnetic tape, wherein the reel clutch comprises:

a plate spring positioned between the reel gear and the reel disc; and

a stopper reel engaged with the reel disc to restrain the engaging height of the plate spring, so that the reel disc and the plate spring come into contact with each other to generate a torque by friction, the bottom surface of the reel disc being provided with serrations which are formed to be capable of coming into frictional contact with the plate spring.

3. (canceled)

4. (canceled)

5. (previously presented) A reel clutch of a tape recorder which is installed in a reel disc assembly mounted on a deck of a tape recorder and having a reel gear and a reel disc, for generating a torque to adjust the tension of a magnetic tape, thereby controlling the running speed of the magnetic tape, wherein the reel clutch comprises:

a plate spring positioned between the reel gear and the reel disc;

a stopper reel engaged with the reel disc to restrain the engaging height of the plate spring, so that the reel disc and the plate spring come into contact with each other to generate a torque by friction; and

a light receiver/emitter sensor,

wherein the reel gear has a plurality of sensing holes formed in the direction of rotation.

6. (original) The reel clutch according to claim 5, wherein:

the light receiver/emitter sensor is adapted to emit light toward the reel gear, and detect light that reflects from a surface of the reel gear and detect that light has not been reflected from the surface of the reel gear, when the light has passed through one or more of the plurality of sensing holes.

7. (canceled)

8. (canceled)

9. (currently amended) A The reel clutch according to claim 8, wherein of a tape recorder, which is installed in a reel disc assembly mounted on a deck of a tape recorder and having a reel gear with a plurality of gear teeth formed along an outer circumference and a reel disc, for generating a torque to adjust the tension of a magnetic tape, thereby controlling the running speed of the magnetic tape, wherein the reel clutch comprises:

a plate spring positioned between the reel gear and the reel disc, the plate spring having a central portion and an outer rim;

a stopper reel engaged with the reel disc, the stopper reel urging the central portion of the plate spring upward, so that the reel disc and the outer rim of the plate spring come into contact with each other to generate a torque by friction; and

a ~~the annular rib~~ is serrated annular rib formed on the lower surface of the reel disc to contact the outer rim of the plate spring.

10. (canceled)

11. (currently amended) A The reel clutch according to claim 10, wherein of a tape recorder, which is installed in a reel disc assembly mounted on a deck of a tape recorder and having a reel gear and a reel disc, for generating a torque to adjust the tension of a magnetic tape, thereby controlling the running speed of the magnetic tape, wherein the reel clutch comprises:

a plate spring positioned between the reel gear and the reel disc, the plate spring having a central portion and an outer rim, the plate spring is being fit into the reel gear and is secured by

the into an inner circumference of the reel gear by a plurality of locking protrusions formed on the inner circumference of the reel gear; and
a stopper reel engaged with the reel disc, the stopper reel urging the central portion of the plate spring upward, so that the reel disc and the outer rim of the plate spring come into contact with each other to generate a torque by friction.

12. (canceled)

13. (currently amended) The A reel clutch according to claim 12, wherein of a tape recorder, which is installed in a reel disc assembly mounted on a deck of a tape recorder and having a reel gear and a reel disc, for generating a torque to adjust the tension of a magnetic tape, thereby controlling the running speed of the magnetic tape, wherein the reel clutch comprises:
a plate spring positioned between the reel gear and the reel disc, the plate spring having a central portion and an outer rim;
a stopper reel engaged with the reel disc, the stopper reel urging the central portion of the plate spring upward, so that the reel disc and the outer rim of the plate spring come into contact with each other to generate a torque by friction; and
a light receiver/emitter sensor for detecting the rotational status of the reel gear, the reel gear has having a plurality of sensing holes for allowing light generated by the light receiver/emitter sensor to pass therethrough.

14. (canceled)

15. (canceled)

16. (canceled)